

thickness of unclassified strata in the Isle of Wight is 400 feet, if not more, and within this range are at least two distinct sets of organic remains. The fluvio-marine beds in all, including the Headon series, are very nearly 600 feet thick.

## ZOOLOGICAL SOCIETY.

May 27, 1851.—W. Yarrell, Esq., V.P.L.S., in the Chair.

## DESCRIPTION OF NEW LAND SHELLS FROM THE COLLECTION OF H. CUMING, ESQ. BY DR. L. PFEIFFER.

1. *HELIX AUDEBARDI*, Pfr. *H. testâ imperforatâ, conoideoglobosâ, solidulâ, nitidâ, castaneo-fulvâ, strigis saturatoribus confertis ornatâ; spirâ conoideâ, apice obtusiusculâ, albâ; anfractibus 5½ convexis, summis granulatis, ultimis irregulariter rugoso-striatis, ultimo inflato, anticè deflexo; columellâ perdeclivi, subarcuatâ, latâ, planâ, albâ; aperturâ perobliquâ, truncato-ovali, intus cæruleâ, nitidâ; peristomate incrassato, subreflexo, albo.*  
Diam. maj. 48, min. 39, alt. 35 mill.  
*Hab.* St. Domingo (Sallé).
2. *HELIX ALBERSIANA*, Pfr. *H. testâ umbilicatâ, subturbinato-depressâ, tenui, acutè et confertim costatâ, diaphanâ, rufo-cornèâ; spirâ subturbinatâ, apice acutâ; anfractibus 4½ convexis, celeriter accrescentibus, ultimo anticè deflexo, basi juxta umbilicum angustè constricto; aperturâ perobliquâ, lunato-ovali; peristomate tenui, marginibus subconniventibus, dextro breviter expanso, columellari dilatato, reflexo, intus plicâ obliquâ, dentiformi munito.*  
Diam. maj. 14½, min. 12, alt. 8½ mill.  
*Hab.* St. Domingo (Sallé).
3. *HELIX PUBESCENS*, Pfr. *H. testâ angustissimè umbilicatâ, depressâ, tenui, pilis mollibus, brevibus, confertis pubescente, diaphanâ, lutescente; spirâ vix convexâ, obtusâ; anfractibus 5, convexiusculis, ultimo subrotundato, altiore quam lato, non descendente; aperturâ vix obliquâ, rotundato-lunari; peristomate simplice, recto, margine columellari supernè breviter reflexo.*  
Diam. maj. 11, min. 10, alt. 6 mill.  
*Hab.* St. Domingo (Sallé).
4. *HELIX LEUCORHAPHE*, Pfr. *H. testâ angustè umbilicatâ, depresso-turbinatâ, subtilissimè striatâ, diaphanâ, luteo-cornèâ, fasciâ angustâ, cretacèâ, ad suturam ornatâ; spirâ subturbinatâ, apice obtusiusculâ; anfractibus 6 planiusculis, ultimo convexiore, non descendente, basi subplanato; aperturâ vix obliquâ, lunari; peristomate simplice, recto, margine columellari reflexiusculo.*  
Diam. maj. 10, min. 9, alt. 6 mill.  
*Hab.* St. Domingo (Sallé).
5. *SUCCINEA DOMINICENSIS*, Pfr. *S. testâ ovali, solidulâ, substriatâ, corneo-albidâ, punctis corneis irregulariter aspersâ; spirâ conicâ, acutâ; anfractibus 3½ convexis, summis corneis, ultimo*

$\frac{3}{5}$  longitudinis æquante; columellâ subcallosâ, vix recedente; aperturâ parùm obliquâ, ovali, subregulari, supernè vix angulatâ.

Long.  $11\frac{1}{2}$ , diam. 7, alt. fere 6 mill. Apert.  $7\frac{1}{2}$  mill. longa, medio  $4\frac{1}{2}$  lata.

Hab. St. Domingo (Sallé).

6. BULIMUS MOUSSONI, Pfr. *B. testâ perforatâ, oblongo-conicâ, sublævigatâ (lineis impressis spiralibus obsoletis notatâ), nitidulâ, albâ, fasciis sub 5, roseis ornatâ; spirâ conicâ, apice acutâ, rubrâ; anfractibus 6, subplanis, ultimo spirâ paulò breviorè; columellâ arcuatâ, supernè subtortâ; aperturâ oblongo-ovalî, intus concolore; peristomate simplice, recto, margine columellari fornicatim reflexo.*

Long. 26, diam. 12 mill. Apert. 12 mill. longa, 7 lata.

Hab. St. Domingo (Sallé).

Next allied to *B. Hondurasanus*, Pfr.

7. ACHATINA DUNKERI, Pfr. *A. testâ turrîtâ, tenuiusculâ, lævigatâ, pellucidâ, nitidâ, fulvescente; spirâ elongatâ, apice obtusâ; suturâ impressâ, marginatâ, obsoletè crenulatâ; anfractibus 9, vix convexiusculis, ultimo  $\frac{1}{3}$  longitudinis non attingente; columellâ arcuatâ, altè et subverticaliter truncatâ; aperturâ subtriangulârî-semiovalî; peristomate simplice, margine dextro untrorsum arcuato.*

Long. 28, diam.  $7\frac{1}{2}$  mill. Apert. 9 mill. longa, medio 4 lata.

Hab. St. Domingo (Sallé).

8. ACHATINA IMPRESSA, Pfr. *A. testâ oblongo-turrîtâ, tenui, lævigatâ, lineis impressis longitudinalibus irregulariter notatâ, fulvidâ; spirâ turrîtâ, apice acutiusculâ; suturâ impressâ, submarginatâ; anfractibus  $6\frac{1}{2}$  planis, ultimo  $\frac{2}{5}$  longitudinis subæquante; columellâ arcuatâ, basi abruptè truncatâ; aperturâ obliquâ, sinuato-ovalî; peristomate simplice, margine dextro basi recedente.*

Long.  $8\frac{1}{2}$ , diam.  $2\frac{2}{3}$  mill. Apert. 3 mill. longa, medio  $1\frac{1}{2}$  lata.

Hab. St. Domingo (Sallé).

9. BALEA DOMINICENSIS, Pfr. *B. testâ subperforatâ, sinistrorsâ, turrîtâ, sublævigatâ, nitidâ, olivaceo-cornèâ; spirâ regulariter attenuatâ, apice acutâ; anfractibus 12, convexis, ultimo infra medium subangulato; aperturâ verticali, subovalî; peristomate simplice, recto, margine columellari verticali, breviter reflexo.*

Long.  $11\frac{1}{2}$ , diam. 3 mill. Apert.  $2\frac{1}{2}$  mill. longa,  $1\frac{3}{4}$  lata. (An adult.?)

Hab. St. Domingo (Sallé).

10. CYLINDRELLA MONILIFERA, Pfr. *C. testâ subrinatâ, oblongâ, solidulâ, truncatâ, confertissimè et arcuatim costulato-striatâ; opacâ, sordidè albidâ; suturâ impressâ, nodulis ulbidis subdistantibus notatâ; anfractibus (superst.) 9, convexis, ultimo non soluto, basi subacutè carinato; aperturâ obliquè subcircularî, ad carinam canaliculatâ; peristomate albo, reflexiusculo expanso, supernè appresso.*

Long. 19, diam. supra medium 6 mill. Apert. cum peristomate oblique 5 mill. longa,  $4\frac{1}{2}$  lata.

Hab. St. Domingo (Sallé).

11. *CYLINDRELLA ADAMSIANA*, Pfr. *C. testá vix rimatá, oblongo-pupiformi, truncatá, nitidá, confertè striato-punctatá, albidá, cornéa, irregulariter strigatá et variegatá; suturá lineari, albo-crenulatá; anfractibus (superst.) 8-9, planis, ultimo angustiore, non soluta, basi cristá compressá, obtusá munito; aperturá vix obliquá, subcirculari, ad cristam subcanaliculatá; peristomate albo, breviter expanso-reflexo, supernè interrupto.*

Long. 14-15½, diam. 5 mill. Apert. 4¼ mill. longa et lata.

*Hab.* St. Domingo (Sallé).

12. *CYLINDRELLA SALLEANA*, Pfr. *C. testá non rimatá, cylindraceá, gracili, truncatá, obliquè confertissimè costulato-striatá, nitidá, pallide fuscescente, vel rufo-fuscá; anfractibus (superst.) 17-18, vix convexiusculis, ultimo angustiore, basi cariná compressá, acutá munito, antrorsum breviter porrecto; aperturá subobliquá, rhombeo-rotundatá, ad carinam distinctè canaliculatá; peristomate albo, nitido, undique reflexiusculo-expanso.*

Long. 27, diam. (prope basin) 5 mill. Apert. cum peristomate 4¾ mill. longa et lata.

*Hab.* St. Domingo (Sallé).

13. *CYLINDRELLA GOULDIANA*, Pfr. *C. testá vix subrimatá, turritá, truncatá, confertissimè costulato-striatá, sericéa, pallide cornéa; suturá impressá, subdenticulatá; anfractibus (superst.) 9, convexiusculis, ultimo soluto, antrorsum breviter descendente, basi subcompresso; aperturá subobliquá, ferè circulari, latere dextro subangulatá; peristomate albo, undique breviter expanso.*

Long. 10, diam. 2⅓ mill. Apert. 2 mill. longa et lata.

*Hab.* St. Domingo (Sallé).

14. *CYCLOSTOMA ORBIGNYI*, Pfr. *C. testá subperforatá, elongato-pupoides, solidá, confertim arcuato-striatá, rubello-fulvá; spirá subcylindricá, sensim attenuatá, apice conicá; suturá profundá; anfractibus 8 vix convexis, penultimo lato, ultimo fasciá latá violacéa, antrorsum evanescente, ornato, basi cristá compressá, obtusá munito; aperturá circulari; peristomate incrassato, subreflexo, supernè appresso, infra cristam anfractibus penult. subexciso. Operculum tenue, albidum, extus concavum, arctispirum.*

Long. 27, diam. 9 mill.

β. *Unicolor virenti-fulvum.*

γ. *Minus, interdum omnino violaceum, anfractibus convexioribus.*

*Hab.* St. Domingo (Sallé).

15. *HELICINA VERSICOLOR*, Pfr. *H. testá depressá, tenui, lævigatá, citriná, sæpe viridí variegatá, suturá vel vertice purpureo; spirá parùm elevatá, obsolete papillatá; anfractibus 4½, planiusculis, rapidè accrescentibus, ultimo lato, subdepresso, anticè vix descendente; aperturá diagonali, subtriangulari-semiovali; columellá brevissimá, callum crassum, semicircularem, nitidum, album emittente; peristomate breviter expanso, margine basali subreflexo, immediatè in columellam continuato. Operculum tenue, submembranaceum, castaneum, margine columellari et nucleo pallidis.*

Diam. maj. 8, min. 6⅔, alt. 5½ mill.

*Hab.* St. Domingo (Sallé).

16. *HELICINA DOMINICENSIS*, Pfr. *H. testá globoso-conicá, solidá, concentricè confertim striatá, parùm nitidá, albidá, luteo-vel fulvo-zonatá; spirá conicá, acutá; anfractibus 6, planiusculis, suturá profundá junctis, último convexiore, víx descendente; columellá brevissimá, basi denticulatá, callum emittente tenuem, víx circumscriptum; aperturá parùm obliquá, semiovali; peristomate acuto, subrecto. Operculum tenue, testaceum, carneum, margine columellari elevato.*

Diam. maj.  $6\frac{1}{3}$ , min.  $5\frac{3}{4}$ , alt. 5 mill.

*Hab.* St. Domingo (Sallé).

DESCRIPTIONS OF NEW SPECIES OF TROCHIDÆ.  
BY ARTHUR ADAMS, R.N., F.L.S. ETC.

Genus TROCHUS, Linn.—*Pyramidea*, sp. Swains.

1. *TROCHUS CUMINGII*, A. Adams. *T. testá turrito-conicá, violaced, maculis viridibus pulcherrimè pictá; anfractibus planis, cingulis granorum moniliformibus ornatis, infernè nodoso-plicatis, anfractu último angulato, peripheriá radiatim nodo-spinosá, basi concavá, cingulis granulosis, insculptá, centro profundè excavato umbilicum simulante; columellá supernè tortuosá, basi dente terminatá; aperturá tetragoná; labro intus lirato.*

*Hab.* Sibonga, island of Zebu, under stones at low water (H. C.).  
*Mus.* Cuming.

2. *TROCHUS FASTIGIATUS*, A. Adams. *T. testá conicá, imperforatá, rubrá, maculis albis longitudinalibus variegatá; anfractibus planis, in medio concavis, supernè cingulis tribus nodulorum ornatis, ad suturam nodis subspinosis instructis, basi planá, concentricè liratá; liris crenulatis; columellá positicè canaliculatá, anticè truncatá; labro in medio angulato.*

*Hab.* —?

Genus PYRAMIS, Chemn.

*Tectus*, Montf.—*Pyramidea*, sp. Swains.

1. *PYRAMIS ARCHITECTONICUS*, A. Adams. *P. testá conicá, imperforatá, albidá; anfractibus planis, subimbricatis, longitudinaliter costatis, costis crassis, rotundis, subnodosis, basi planá, liris concentricis exarátá; columellá brevi, tortuosá, anticè truncatá; labro margine fimbriato.*

*Hab.* Signet Bay, North Australia (Dring).

2. *PYRAMIS LEUCOGASTER*, A. Adams. *P. testá conicá, imperforatá; spirá acutá, in medio tumidá, albá, viridi variegatá; anfractibus planulatis, longitudinaliter corrugatis, transversim cingulis nodulosis ornatis, ad suturam nodis sulcatis fimbriatis, basi planá, albá, concentricè sulcatá; columellá brevi, valde tortuosá; labro anticè intus lirato.*

*Hab.* —?

Genus INFUNDIBULUM, Montf.—*Carinidea*, Swains.

1. INFUNDIBULUM CHLOROMPHALUS, A. Adams. *I. testá depresso-conicá, pseudo-umbilicatá, viridi, atro-purpureo punctatá; anfractibus planis, cingulis confertis granorum ornatá, basi concavá, cingulis inæqualibus articulatis insculptá, regione umbilicali infundibuliformi, intus viridi; columellá supernè tortuosá, tuberculatá.*

*Hab.* —?

2. INFUNDIBULUM CALIFORNICUM, A. Adams. *I. testá depresso-conicá, pseudo-umbilicatá, albidd, viridi rufoque variegatá; anfractibus planis, supra angulatis, ultimo angulato, cingulis tuberculorum subdistantium multiformium ornatá; interstitiis longitudinaliter obliquè costatis, basi concavá, cingulis confertis crenulatis insculptá, regione umbilicali infundibuliformi, viridi, lined albd elevatá cinctá; columellá supernè tortuosá, tuberculatá.*

*Hab.* California.

Genus POLYDONTA, Schumacher.—*Lamprostoma*, Swains.

1. POLYDONTA GIBBERULA, A. Adams. *P. testá elevato-conicá, in medio gibbosá, anfractu ultimo angustato; albidá, lineis roseis flammulatis radiatim pictá; anfractibus subconvexis, cingulis granosis transversis ornatá, ultimo obtusè angulato; basi convexiusculá, albá, fasciis roseis radiatim pictá; centro excavato, umbilicum mentiente; columellá supernè solutá, margine tuberculo-denticulato; labro intus lirato, infernè denticulato.*

*Hab.* Philippines.

2. POLYDONTA PALLIDULA, A. Adams. *P. testá elevato-conicá, albidá, maculis luteolis pictá; anfractibus planis, cingulis tuberculorum ornatá, tuberculis infernè in costas excurrentibus, basi convexá, cingulis granosis ornatá, cavitate contortá umbilicum simulante; columellá supernè solutá, margine tuberculato-dentato; labro intus lirato, infernè denticulato.*

*Hab.* —?

3. POLYDONTA CORRUGATA, A. Adams. *P. testá elevato-conicá, albidá, rufo-fusco variegatá; anfractibus planiusculis, sulcis transversis, sulcisque obliquis nodoso-reticulatis, infernè obliquè costatis, costis nodosis ornatis; basi planiusculá, in medio concavá, excavatá, umbilicum mentiente; columellá supernè solutá, margine tuberculato-dentato; labro intus lirato, infernè denticulato.*

*Hab.* —?

4. POLYDONTA SQUAMIGERA, A. Adams. *P. testá elato-conicá, albidá, cinereo-viridi radiatim pictá; anfractibus planiusculis, cingulis granulorum tribus ornatis, infernè obliquè costatis, costis in spinis squamiformibus excurrentibus, basi planá striis granosis, fasciisque rufo-viridibus ornatá, centro excavato umbilicum simulante, intus albo lineis elevatis cincto; aperturá lineis acutis elevatis, transversis in faucibus instructá.*

*Hab.* —?

Genus PHORCUS, Risso.—*Omphalius*, Philippi.

1. PHORCUS NODICINCTUS, A. Adams. *P. testá conoideá, umbilicatá, fuscá luteo variegatá, lævi; anfractibus subplanulatis, cingulis tribus nodulosis, liris elevatis transversis ornatis, anfractu ultimo subangulato, basi convexiusculá, lineis elevatis concentricis sculptá, regione umbilicali albá; columellá brevi, arcuatá, basi dentibus duobus terminatá; labro fusco marginato.*

*Hab.* — ?

2. PHORCUS GRANIFER, A. Adams. *P. testá orbiculato-conicá, fuscá, cingulis transversis granorum distantium ornatá, cingulis remotiusculis, interstitiis transversim liratis; anfractibus rotundatis, suturá canaliculatá; umbilico aperto, perspectivo; columellá sinuatá, basi dentibus duobus terminatá; labro intus crenulato.*

*Hab.* — ?

3. PHORCUS LIRATUS, A. Adams. *P. testá conoideá, umbilicatá, fuscá, lineis pallidis undulatis ornatá, cingulis distantioribus transversis insculptá; columellá sinuatá, basi dentibus tribus terminatá, umbilico aperto, perspectivo, peromphalo viridulo; labro intus lævi.*

*Hab.* — ?

4. PHORCUS SEMIGRANOSUS, A. Adams. *P. testá orbiculato-conoideá, umbilicatá, purpureo alboque variegatá, transversim tenuiter striatá; anfractibus planiusculis, cingulis confertis subgranosis ornatis, ultimo subangulato, basi pluniusculá, cingulis granosis insculpto; margine umbilici lineá albá elevatá cincto; labio supra calloso; columellá supernè sinuatá, basi in tuberculis duobus terminatá et infra tuberculos dentibus duobus instructá; labro intus lævi, anticè callo marginato.*

*Hab.* West Indies.

5. PHORCUS CALIFORNICUS, A. Adams. *P. testá orbiculato-conicá, profundè umbilicatá, viridi, atro-purpureo radiatim maculatá, liris transversis subnodulosis inæqualibus ornatá; anfractu ultimo subangulato; basi convexiusculá; umbilico perspectivo; labio in medio valde excavato, columellá anticè dentatá, intus lævi.*

*Hab.* California. Mus. Cuming.

## Genus CLANCULUS, Montfort.

*Polydonta b.*, Schum.—*Fragella*, Swainson.—*Apiculum*, sp., Humph.—*Monodonta*, sp., Lamk.—*Otavia*, Risso (not Cantraine).

1. CLANCULUS ORMOPHORUS, A. Adams. *C. testá depresso-conicá, umbilicatá; anfractibus rotundatis, cingulis granorum æqualibus ornatis, cingulo primo, secundo et tertio granis fuscis albis alternantibus, quarto granis fuscis ornatis; anfractu penultimo gibboso, ultimo rotundato; umbilico crenulato; columellá cullosá, subreflexá, basi dente triplicato.*

*Hab.* — ?

2. **CLANCULUS VARIEGATUS**, A. Adams. *C. testá depresso-conicá, pallidá, rufo-fusco variegatá; anfractibus supra tumidis, cingulis granorum ornatis; interstitiis striis obliquis longitudinalibus; anfractu ultimo acutè angulato, basi pleno; umbilico crenulato; columellá supra tortuosá, margine reflexá, crenulatá, basi dente bicipitato terminatá; labro intus dentibus lamellaribus, superiore majore.*  
*Hab.* Island of Siquijor, under stones (H. C.).
3. **CLANCULUS CINGULIFER**, A. Adams. *C. testá elevato-conoidea, carneolá, cingulo albo rufoque articulato ornatá; anfractibus rotundatis, cingulis transversis granosis sculptis; basi concavá, peromphalo albo roseo radiato, margine plicato; columellá crassá, supra nodosá, infra uniplicatá; basi dente triplicato terminatá; labro intus lirato; tuberculo maximo, prope marginem superiorem.*  
*Hab.* —?
4. **CLANCULUS MACULOSUS**, A. Adams. *C. testá elevato-conoidea, rufo-fuscá, maculis albidis variegatá; anfractibus rotundatis, cingulis granorum ornatis, interstitiis obliquè striatis, margine umbilici crenulato; columellá supra tuberculo magno instructá, basi dente bicipitato terminatá; labro intus lirato, lirá supremá maximá.*  
*Hab.* —?
5. **CLANCULUS SULCARIUS**, A. Adams. *C. testá parvâ, albidâ, fasciis fuscis radiatim ornatá, cingulis distantioribus granorum instructá, interstitiis longitudinaliter obliquè striatis; anfractibus parum convexis; margine umbilici crenulato; columellá dente pliciformi; labro intus crenulato.*  
*Hab.* Island of Masbate, sandy mud, 7 fathoms (H. C.).
6. **CLANCULUS ACUMINATUS**, A. Adams. *C. testá elevato-conicá; spirá acuminatá, fuscá, nigro-fusco punctatá, cingulis transversis subdistantibus granorum ornatá; interstitiis lineis transversis et longitudinalibus decussatis; margine umbilici subnoduloso; columellá margine reflexo, integro, basi dente simplici magno terminatá; labro intus lirato.*  
*Hab.* Sibonga, island of Zebu, under stones (H. C.).
7. **CLANCULUS ALBINUS**, A. Adams. *C. testá conoidea, albidâ, cingulis granorum confertis ornatá, granis nonnullis fusco punctatis; anfractibus convexis, ultimo rotundato; margine umbilici plicato-dentato; columellá callosá, plicis duabus transversis, basi dente triplicato terminatá; labro supernè inflexo, intus lirato; tuberculo magno trisulcato prope marginem superiorem.*  
*Hab.* —?
8. **CLANCULUS TURBINOIDES**, A. Adams. *C. testá turbinato-conoidea, fuscá, cingulis subdistantibus granorum ornatá; interstitiis lineis transversis prominulis; anfractibus rotundatis, suturâ canaliculatá; basi cingulis concentricis granorum instructá;*

*umbilico dentato; columellá sulcatá, margine reflexá, tuberculis quatuor; labro intus lirato.*

*Hab.* —?

9. *CLANCULUS STIGMATARIUS*, A. Adams. *C. testá elevato-conicá, cingulis confertis granorum ornatá, lutescenti cingulo tertio et septimo granis albis et roseis subdistantibus, basi granis roseis ornatá; umbilici margine subnodoso; columellá crassá, transversim subplicatá, basi dente magno triplicato terminatá; labro supra inflexo, intus lirato, tuberculo magno bisulcato prope marginem superiorem.*

*Hab.* Island of Corigidor, bay of Manila, coarse sand, 9 fathoms (H. C.).

10. *CLANCULUS TEXTILOSUS*, A. Adams. *C. testá conoideá; spirá acuminatá, cingulis granorum inæqualibus ornatá, primo, tertio et sexto coccineá, secundo, quarto, quinto et septimo granis albis nigris alternantibus ornatá; margine umbilici dentato; columellá biplicatá, margine acutá, basi dente triplicato terminatá; labro intus lirato, prope marginem superiorem tuberculo magno.*

*Hab.* Island of Ticao, sandy mud, 6 fathoms (H. C.).

11. *CLANCULUS MINOR*, A. Adams. *C. testá parvâ, conicâ, albidâ, fasciis rufo-fuscis radiatim ornatá; anfractibus planis, cingulis transversis granosis sculptâ, anfractu ultimo angulato, basi planiusculâ, margine umbilici crenulatâ; columellâ tuberculo decurvato terminatâ; labro intus lirato.*

*Hab.* Island of Masbate, sandy mud, 7 fathoms (H. C.).

12. *CLANCULUS BRUNNEUS*, A. Adams. *C. testá depresso-conicâ, fuscâ, cingulis granorum subdistantibus ornatá; interstitiis longitudinaliter elevatè striatis; anfractibus planiusculis, ultimo acutè angulato, umbilici margine planâ; columellâ transversim plicatâ, margine fimbriatâ, basi dente biplicato terminatâ; labro intus lirato, lirâ supremâ majore.*

*Hab.* —?

13. *CLANCULUS UNEDO*, A. Adams. *C. testá elevato-conoideá; spirâ prominulâ, apice roseo, cingulis granorum confertis (in anfr. ultim. quinque) ornatá, coccineá, cingulo secundo, quarto et quinto granis albis et nigris ornatis; umbilici margine plicato-crenulatâ; columellâ obliquâ, crassâ, margine reflexâ, basi dente magno triplicato terminatâ; labro intus lirato, supra tuberculo magno.*

*Hab.* —?

14. *CLANCULUS ZEBRIDES*, A. Adams. *C. testá conoideâ, fuscescenti, nigro-fusco radiatim pictâ, cingulis granorum sculptâ; interstitiis lineolis transversis elevatis; anfractibus rotundatis; umbilici margine crenulatâ; columellâ supra tuberculo, margine callosâ, basi tuberculo magno terminatâ; labro intus dentibus linearibus instructo.*

*Hab.* —?

15. *CLANCULUS EDENTULUS*, A. Adams. *C. testá orbiculato-conoideâ, sordidè rufâ, albo variegatâ, cingulis transversis gra-*



*nosis sculptá; anfractibus parum convexis; umbilici margine subcrenulatá; columellá supra plicatá, infra edentulá, margine infra tuberculis tribus; labro intus subsulcato.*

*Hab.* — ?

16. *CLANCULUS NIGRICANS*, A. Adams. *C. testá depresso-conicá, umbilicatá, nigricante; anfractibus planis cingulis quinque granulatis ornatá, ultimo angulatá, carinis planis duabus in parte inferiore, cingulis 5-6 articulatis sulcisque intermediis sculptá; umbilici margine crenulato; columellá rectá, supernè solutá, in parte superiore tuberculatá, extus tuberculis tribus instructá; labro intus lævi.*

*Hab.* — ?

17. *CLANCULUS CARINATUS*, A. Adams. *C. testá conicá, albidd, flammulis rubris pictá, anfractibus planis, cingulis inæqualibus confertis granorum ornatá, supra suturam angulatá, anfractu ultimo margine carinato, cariná albo rufoque articulatá; umbilici margine plano; columellá rectá, supra subcallosá, basi dente simplici acuto terminatá; labro intus sulcato.*

*Hab.* — ?

18. *CLANCULUS MICRODON*, A. Adams. *C. testá orbiculato-conicá, fuscá, nigro-fusco maculatá, cingulis granorum ornatá; interstitiis lineis elevatis transversis; anfractibus rotundatis, basi cingulis subnodosis, rufo- et nigro-fusco articulatá; umbilici margine dentato, dente superiore majore; columellá supra flexuosá, plicatá, margine reflexo, sulcato-crenulato, basi dente parvo terminatá; labro intus lirato.*

*Hab.* — ?

19. *CLANCULUS OMALOMPHALUS*, A. Adams. *C. testá depresso-conicá, pallidá, fusco maculatá, anfractibus paulum rotundatis, cingulis granorum ornatá; interstitiis striis longitudinalibus, anfractu ultimo acutè carinato, cariná albo rufoque articulatá, basi planá; umbilici margine plano; columellá transversim plicatá, margine reflexo dentato, basi dente buplicato terminatá; labro intus lirato.*

*Hab.* Sydney (*Strange*).

20. *CLANCULUS GIBBOSUS*, A. Adams. *C. testá depresso-conicá, pallidá, fasciis fuscis radiatim dispositis ornatá, cingulis transversis æqualibus granosis sculptá; anfractibus rotundatis, suturá profundá, cunaliculatá, anfractu ultimo gibboso, infra subangulato; umbilici margine crenulato; columellá plicatá, margine reflexo supra dentato, basi dente magno buplicato terminatá; labro intus corrugato-crenulato, supra inflexo, tuberculo magno instructo.*

*Hab.* New Ireland (*Jukes*).

21. *CLANCULUS CONSPERSUS*, A. Adams. *C. testá orbiculato-conicá, rufescente, albo rubroque variegatá, cingulis moniliformibus transversis ornatá, cingulo infra suturam majore, anfractu ultimo angulato; columellá postice subcanaliculatá vix tortuosá,*

*anticè plicâ magnâ transversâ terminatâ ; labro intus valdè dentato-lirato.*

*Hab.* — ?

22. CLANCULUS NODILIRATUS, A. Adams. *C. testâ depresso-turbinatâ, carneolâ, liris transversis nodulosis subdistantibus ornatâ ; interstitiis longitudinaliter tenuissimè striatis ; anfractibus subquadratis, margine umbilici dentato ; columellâ rectâ, anticè tuberculo parvo terminatâ ; labro intus lirato.*

*Hab.* — ?

## MISCELLANEOUS.

### *Observations on the Breeding of the Nightingale in Captivity.*

By H. HANLEY, Sergeant-Major 1st Life Guards.

BEING of opinion that any bird which breeds in this country in a wild state, might, by studying its habits, be brought to do so in a state of captivity, I made preparations during the winter of 1844 for trying the Nightingale, which I considered to be the most retired in its habits of any of our summer visitants. I had a cage made, 4 feet long by 3 feet high, the back, ends and top solid, with a wire front, in which I placed a small Scotch fir-tree, planted in a flower-pot ; to each end of the cage I attached a common-sized canary's breeding-cage, communicating with the large cage by a hole about 4 inches square. I broke a new birch-broom, and filled up the cages at each end, to make them resemble as near as possible the bottom of a thick hedge, and then put in a plentiful supply of withered oak-leaves and moss, of which the nightingale forms its nest, covering the fronts of the two small cages with green glazed calico : I placed the cages high up against a wall facing a landing-window. The following spring, that is, about the latter end of April 1845, I directed a bird-catcher (Blake, of John-street, Tottenham-court-road), who goes to Watford every season to catch nightingales, to bring me a cock and hen bird which had paired naturally ; he did so, and, fortunately, they meated off very readily. By "meating off," I mean that such birds as live on insect food will not peck at dead food until taught to do so, which is effected by enclosing meal-worms in a small glass tube, corked up at each end, and then placing the tube in their food ; on pecking at the worm the beak slips off the glass amidst the food, which they swallow, and will afterwards go to it without the aid of a tube. On finding my birds feed freely in the small cage, in which until then I had confined them, I turned them into the place I had fitted up for them, and was much gratified, about a week afterwards, to observe the hen bird flying about with an oak-leaf in her beak. She made her nest in one of the small cages at the end of the large one ; laid four eggs, of which she hatched and brought up three young ones. During the time she was sitting, the cock sang as well and as loud as I ever heard one in a wild state : when the young were excluded he left off singing, and was most assiduous in assisting to feed and rear them.

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